Index of Claims

| A | ۱pp | lic | ati | on/ | Co | ntr | ol N | 0. |
|---|-----|-----|-----|-----|----|-----|------|----|
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10/518,996

10/518,99 Examiner

Naghmeh Mehrpour

Applicant(s)/Patent under Reexamination

VERMA ET AL.

Art Unit

2686

| √ | Rejected |
|---|----------|
| ı | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla        | Claim Date |              |  | 7::    |           | Claim Date          |            |                    |          |              |          | [      | Cla  | aim                 | Date           |          |          |  |          |      |       | $\neg$   |               |        |  |  |               |          |               |          |
|------------|------------|--------------|--|--------|-----------|---------------------|------------|--------------------|----------|--------------|----------|--------|--|---------------------|----------------|----------|----------|--|----------|------|-------|----------|---------------|--------|--|--|---------------|----------|---------------|----------|
|            | _          | 3° × 112     |  |        |           |                     |            |                    | 7        |              |          | 1      | Т  |                     |                | T        |          | П  | 7!!      |      |       |          | $\Box$        | П      |  |  |               |          | Т             | ヿ        |
| Final      | Original   | Ę            |  |        |           |                     |            |                    |          | 1            | Original |        |  |                     |                |          |          |  | - 1      |      | ख     | Original |               |        |  |  |               |          |               | ı        |
| i <u>E</u> | <u>.</u> g | X            |  |        |           |                     |            |                    |          | اً ا         | <u> </u> |        |  |                     |                |          |          |  |          |      | Final | nig      |               |        |  |  |               |          |               |          |
|            | ١٥.        | 6            | <b>-</b>   |        |           |                     |            |                    |          |              | 0        |        |  |                     |                | ·        |          |  | - 1      |      |       | 0        |               |        |  |  | ·             |          |               | 1        |
|            | 1          | V            |  |        | 1         |                     |            | $\neg$             | 7        |              | 51       | $\top$ | +  | $\Box$              | ヿ              |          | _        |  |          |      |       | 101      |               |        | $\vdash$   | ┢═   | Н             | $\dashv$ | $\dashv$      | $\dashv$ |
|            | 2          | ۲            | $\top$   | ╅      |           |                     |            | $\top$             | 7        |              | 52       |        | †  | 1                   | ┪              |          | +        | 1 1  | -18      |      |       | 102      |               | +-     | $\vdash$   | ┢  | Н             | $\dashv$ | $\neg +$      | ᅱ        |
|            | 3          |              | $\vdash$   | +      | $\top$    | 1                   | $\dashv$   | 十                  | ١!!      |              | 53       |        | +  |                     | $\dashv$       | _        | +        | +  | 一!!      |      |       | 103      |               | +-     | +  | ┢  | Н             | $\dashv$ | -+            | ᅥ        |
|            | 4          |              |  | 1      |           |                     |            | $\top$             | 7        |              | 54       |        | $\top$   | $\Box$              | $\neg$         |          |          | $\vdash$   | 1        |      |       | 104      | $\vdash$      |        |  | $\vdash$   | Н             | $\neg$   | -             | $\neg$   |
|            | 5          |              | $\top$   |        | 1         |                     | $\neg$     | _                  |          | -            | 55       | $\top$ | $\top$   |                     | 7              | _        |          |  | -        |      |       | 105      | $\vdash$      | +      | $\vdash$   | <del>                                     </del> | $\overline{}$ | $\neg$   | $\neg$        | $\neg$   |
|            | 6          |              |  | $\top$ | <b></b>   |                     | $\neg$     | _                  | ١        |              | 56       |        | 1  | 1                   | 寸              | _        | +        | 1  | -1       |      |       | 106      |               |        | ╁  | $\vdash$   | Н             | $\dashv$ | $\dashv$      | -        |
|            | 7          | T            |  | 1      |           |                     | $\neg$     | _                  | ١        |              | 57       | 1      | <del>                                     </del> |                     | 寸              | 7        | $\top$   | t  | -        |      |       | 107      | _             | _      | <del>                                     </del> | $\vdash$   |               | $\dashv$ | 十             | _        |
|            | 8          |              |  | $\top$ |           | Ħ                   | $\dashv$   |                    | ١.       |              | 58       | +-     | +  | $\Box$              | $\neg \dagger$ | $\dashv$ | _        | 1 1  | -        | H    |       | 108      | -             | _      | ┢  | -  | Н             | $\vdash$ | $\dashv$      | $\neg$   |
|            | 9          | 1            | <b>-</b>   | 1      | 1         |                     | $\neg$     | _                  | 7        |              | 59       |        | †  | $\vdash$            | ┪              | _        | +        |  | -        |      |       | 109      | -             |        | ┢  | ┢  | Н             | $\dashv$ | $\dashv$      | _        |
|            | 10         |              |  | _      | T         | 11                  |            | $\neg$             | ۱.       |              | 60       |        | +  | $\Box$              | 寸              | _        | +        | 1  | 一::      | H    |       | 110      |               | +      | ╁╾   | -  | Н             | $\dashv$ | $\dashv$      | $\neg$   |
| <b>—</b>   | 11         | T            | +  | +-     | $\top$    | 1                   | $\dashv$   | $\dashv$           | -        | -            | 61       |        | ╁┈╌  | $\vdash$            | -              |          | +-       | +  |          | ŀ    |       | 111      |               | +      | ┢  | ┝  | -             | $\dashv$ | $\dashv$      | $\dashv$ |
|            | 12         | H            | -  | +      | $\dagger$ | $\vdash$            | $\dashv$   | $\dashv$           | -        |              | 62       |        | +-   | $\vdash$            | $\dashv$       | +        | $\dashv$ | +-+  | $\dashv$ | ı    |       | 112      | -             | +-     | ╁  | ├-   | Н             | $\dashv$ | $\dashv$      | $\dashv$ |
|            | 13         |              | <del>                                     </del> | ╅      | +         | $\vdash$            | $\dashv$   | _                  | -        | -            | 63       |        | +-   | $\vdash$            | $\dashv$       | $\dashv$ | +        | ++   | $\dashv$ | ŀ    |       | 113      | -             | -      | $\vdash$   | -  | Н             | $\dashv$ | $\dashv$      | $\dashv$ |
| <b></b>    | 14         | +            |  | +      | +         | $\vdash$            | $\dashv$   | $\dashv$           | $\dashv$ | -            | 64       |        | +-   | $\vdash$            | $\dashv$       | +        | +-       | +-+  | $\dashv$ |      |       | 114      | $\vdash$      | -      | $\vdash$   | -  | Н             | $\dashv$ | -+            | $\dashv$ |
|            | 15         | +            | $\vdash$   | +      | +         | $\vdash$            | -          | $\dashv$           | $\dashv$ | -            | 65       | +      | +  | $\vdash$            | ᆉ              | -        |          | +  | - :      | ⊪    |       | 115      | +             | +-     | $\vdash$   | $\vdash$   | Н             |          | $\dashv$      | $\dashv$ |
|            | 16         | Н            |  | +      | 1         | $\Box$              | +          | _                  | -        | -            | 66       |        | +  | $\vdash$            | $\dashv$       |          | +-       | ++   | -11      | H    |       | 116      | $\vdash$      | -      |  | -  | Н             | $\dashv$ | -             | ᅴ        |
| $\vdash$   | 17         | Н            | +  | +      | +         | $\vdash$            | $\dashv$   | +                  | - ::     | ::           | 67       |        | +  | +                   | $\dashv$       | -+       | +        | +  | $\dashv$ | H    |       | 117      | $\rightarrow$ | -      | ╁  | ├  |               | $\dashv$ | -+            | ᅴ        |
| -          | 18         | 1            | +  | +      | +         | $\vdash$            | $\dashv$   | +                  | -        | -            | 68       |        | ┿  | -                   | $\dashv$       | -+       | -        | +  |          | ⊪    |       | 118      | -             | -      | -  | ⊢  |               | $\dashv$ | $\dashv$      |          |
| -          | 19         | Ť            | $\vdash$   | +      | +         | +-+                 | $\dashv$   |                    | -        |              | 69       |        | +  |                     | $\dashv$       | $\dashv$ | +-       | +  | :        | H    |       | 119      |               |        |  | ├  | Н             | -        | $\rightarrow$ | $\dashv$ |
|            | 20         | -            |  |        | +         | +                   | $\dashv$   | +-                 | -        |              | 70       |        | +  | -                   | -              |          |          | ╁  |          | H    |       | 119      |               | +      | -  | -  | Н             | $\dashv$ | $\dashv$      | -        |
| -          | 21         | -            | -  |        | +         | H                   | $\dashv$   | -                  | -        | -            | 71       | ╁      | ┿  |                     | $\dashv$       | $\dashv$ |          | $\vdash$   |          | 1    |       | 120      |               |        | -  | ⊢  | _             | $\dashv$ | $\dashv$      |          |
| -          | 22         | -            | $\vdash$   | +      | +         | ┼                   | $\dashv$   | -+                 | -        | ⊪            | 72       | ┰      | +  | -                   | $\dashv$       |          | -        | +  | -4:      | H    |       | 121      | -             | +      | -  | ┡  |               | $\dashv$ |               | -1       |
| -          | 23         |              |  |        | ╁         | 1                   | $\dashv$   |                    | -        | ii —         | 73       |        | +  |                     | $\dashv$       | -        | +        | +  | ::       | -    |       | 122      | _             |        | -  | ├  | Ш             | $\dashv$ |               | $\dashv$ |
| -          | 24         |              | -  | +-     | +         | <del>  </del>       | $\dashv$   |                    | - ::     |              |          |        | +-   |                     | $\dashv$       |          | +        | $\vdash$   |          |      |       | 123      | $\dashv$      |        | ├  | -  | Щ             | $\dashv$ | -             | ᆜ        |
|            | 25         | -            | $\vdash$   | +      | +         | $\vdash$            |            | -                  | -        | ii           | 74       | +      | ╁  | $\vdash$            | -              | +        |          | +  |          |      |       | 124      | _             |        |  | ├_   | _             | $\dashv$ | -             | _        |
|            | 26         | $\vdash$     | -  | +-     | ┿         | $\vdash$            | $\dashv$   | -                  | -        | ii           | 75<br>76 | +-     | ┿  |                     | $\dashv$       | -        |          |  |          | ⊪    |       | 125      |               |        | 1  | <u> </u>   |               | $\dashv$ | $\dashv$      | _        |
| -          | 27         | -            | +  | +-     | ┿         | +                   | $\dashv$   | -                  | -        | <b>  </b>  - | 77       | +      | +-   | ┨                   | $\dashv$       | -        | +        | +  | -48      |      |       | 126      | -             |        | -  | $\vdash$   | Н             |          | -             | -        |
|            | 28         | -            | +  | +-     | ┿         | $\vdash$            | $\dashv$   | -+-                | -        | -            |          | +      | -  | $\vdash$            | $\dashv$       |          | +        |  |          | 4    |       | 127      |               |        | -  | <u> </u>   | Н             |          | -             | _        |
| -          | 29         | -            |  | +-     | +-        | ┝╌┨                 | $\dashv$   |                    | -        | -            | 78       |        | ╄  |                     | $\dashv$       | -        | - -      | ++   |          | -    |       | 128      | -             |        | ⊢  |  | $\vdash$      | $\dashv$ | -             | _        |
|            | 30         | -            | $\vdash$   | +      | +         | ╌┤                  | -          | +                  | $\dashv$ | - I          | 79       |        | ┼  | Н                   |                | _        | -        | +  |          | 1    |       | 129      |               |        | <u> </u>   | <u> </u>   |               | $\dashv$ | _             | _        |
| -          | 31         | $\vdash$     |  |        | +         | <del>  -  </del>    |            | -                  | -        |              | 80       | +-     | +-   | $\vdash$            | -              |          | +        | +-+  |          |      |       | 130      | -             |        | <del> </del>                                     | _  |               | _        | $\dashv$      | _        |
| -          | 32         | H            | -  | -      | +         | ┦                   | $\dashv$   |                    | -        | -            | 81       | -      | -  | $\vdash$            | -              | -        | +        | 1-1  |          |      |       | 131      | -             |        | ļ.,  | _  |               | _        | $\dashv$      | _        |
| -          | 33         | _            | -  | +      | -         | ┨                   | -          | -                  | -        | -            | 82       |        | ╀  | $\vdash$            | -+             |          |          | 1  |          | 1    |       | 132      | -             |        | <u> </u>   |  |               | $\dashv$ | 4             | _        |
| $\vdash$   | 34         | -            | $\vdash$   | +      | +         | $\vdash$            | $\dashv$   | +                  | -        | <u> </u>     | 83       | +-     | $\vdash$   | $\vdash$            |                | $\dashv$ |          | ++   | $\dashv$ |      |       | 133      | $\vdash$      |        | <u> </u>   | <u> </u>   | -             |          | -1            | _        |
| -          | 35         | <del> </del> | $\vdash \vdash$                                  | +-     | +         | $\vdash$            | $\dashv$   | +                  | - ::     | <u> </u>     | 84       | +      | +  | $\vdash$            | 4              | +        |          | ╁╼┼  | $\dashv$ | 1    |       | 134      | $\dashv$      |        |  | H  | $\vdash$      | $\dashv$ | $\dashv$      | _        |
|            | 36         |              | $\vdash$   | -      | +         | $\vdash$            | -          | +                  | - ::     | -            | 85       |        | ┼-   |                     | -              |          | +        | +  | -        | H    |       | 135      |               |        | <del> </del>                                     | <u> </u>   | $\vdash$      |          | $\dashv$      | _        |
|            | 37         | $\vdash$     | $\vdash$   | +      | +         | ┰                   | $\dashv$   |                    | - ::     | -            | 86       |        | +-   | $\vdash$            | _}             | $\dashv$ |          | ++   | -        |      |       | 136      |               |        | ┞-   | <u> </u>   |               | $\dashv$ | _             | _        |
| <u> </u>   |            | -            |  | +      | +         | ┥                   | -+         |                    | -        | <u> </u>     | 87       |        | +-   | $\vdash$            | -              | -        |          | ╂  |          | ⊪    |       | 137      | $\dashv$      |        | $\vdash$   | <u> </u>   | Ш             | _        | _             | _        |
| -          | 38         | -            | -  | +      | +-        | $\vdash$            | $\dashv$   |                    | -        | <u> </u>     | 88       |        | -  | $\vdash \vdash$     |                | $\dashv$ | +        | ╂  | _        | :::  |       | 138      | _             | $\bot$ | <u> </u>   | Ш  | Ш             | $\dashv$ | _             | _        |
| <b>—</b>   | 39         | $\vdash$     |  | +      | ╀         | $\vdash$            |            | - -                | -        | <u> </u>     | 89       | +      | ┼  | $\vdash \vdash$     |                | +        |          | +  | -        |      |       | 139      | $\vdash$      | 4      | <u> </u>   | <u> </u>   |               |          | _             | _        |
| <u> </u>   | 40         | $\vdash$     | $\vdash$   | +      | +         | $\vdash$            | -+         | +                  | -        | -            | 90       | _      | +-   | $\sqcup$            |                | +        |          | ╂  | _        | 1    |       | 140      |               | +      | <b> </b>   | $\vdash$   | Ш             | $\dashv$ | _             | _        |
|            | 41         | $\vdash$     | $\vdash$   | +-     | +-        | $\vdash$            | $\dashv$   | +                  | -        | <b> </b> -   | 91       |        | -  | ⊢                   | -              | +        | +        | 11   |          | ii   |       | 141      | $\perp$       |        | <u> </u>   | <u> </u>   | $\sqcup$      | $\dashv$ | _             |          |
|            | 42         | $\vdash$     | ├─├-   | +      | +         | $\vdash \downarrow$ | 4          | -                  | -        | $\vdash$     | 92       |        | ₩  | ⊢∔                  | _              | $\dashv$ | +        | $\vdash \vdash$                                  | _        | ii.  |       | 142      | $\perp$       |        | <u> </u>   | <u> </u>   | $\sqcup$      |          |               |          |
| -          | 43         | -            | $\vdash$   | +      | +         | $\vdash \vdash$     | -          | -                  | -        | $\vdash$     | 93       |        | $\vdash$   | $\vdash \vdash$     | -              | $\dashv$ | 4        | ++   | _        |      |       | 143      | $\dashv$      |        | <u> </u>   | L.   | Ш             | _        |               |          |
| <u> </u>   | 44         | $\vdash$     |  | +      | +         | $\vdash$            | $\dashv$   | _ -                | $\dashv$ | -            | 94       | +-     | ╀  | ⊢┼                  | _              | +        | -        | <del>                                     </del> | _        |      |       | 144      | $\dashv$      | -      | <u> </u>   | _  | Ш             | $\dashv$ | $\dashv$      |          |
|            | 45         | $\vdash$     | -  | +      | +         | $\vdash$            | $\dashv$   | +                  | -        | -            | 95       |        | ╀  | $\sqcup$            |                | 4        | -        | +  | 4        |      |       | 145      | $\perp$       |        | _  |  | Ш             | $\dashv$ | $\dashv$      |          |
| <u> </u>   | 46         | $\vdash$     | -  | +      | +-        | $\vdash$            | -          | -                  | -        | $\vdash$     | 96       |        | ╀  | $\vdash \vdash$     | _              | $\dashv$ | _        | $\sqcup$   | _        |      |       | 146      | $\perp$       | $\bot$ | <u>L</u>   | Щ  |               | Ц        | $\dashv$      |          |
| -          | 47         | $\vdash$     |  | +      | +-        | Н                   | $\dashv$   |                    | -        | <u> </u>     | 97       |        | $\vdash$   |                     |                |          |          | $\sqcup \bot$                                    | _        |      |       | 147      | $\perp$       |        | _  |  | Ш             | $\perp$  | $\bot$        |          |
|            | 48         | $\vdash$     |  | +      | -         | $\vdash$            | $\dashv$   |                    | 4        | <u> </u>     | 98       |        | $\vdash$   | $\vdash \downarrow$ | _              | _        | $\bot$   | $\sqcup$   | _        | 1    |       | 148      | $\perp$       |        | $oxed{oxed}$                                     |  |               |          | $\perp$       |          |
| -          | 49         | Н            | $\vdash$   | +      | 1-        | $\sqcup$            | _          | 4                  | 4        | <u> </u>     | 99       | 1      | $\vdash$   | $\sqcup$            | _              | $\perp$  | $\bot$   | $\sqcup$   | _        | 1    |       | 149      |               |        | L  |  |               |          |               |          |
| Щ.         | 50         | Ш            |  |        | 1         | ட                   | $_{\perp}$ | $oldsymbol{\perp}$ | :::      | ::L_         | 100      | 1      | 1  | Ш                   |                |          |          | $\perp \perp$                                    | ]:::     | :::[ |       | 150      |               |        |  |  | · ]           | $\Box$   | $\perp$       | -1       |